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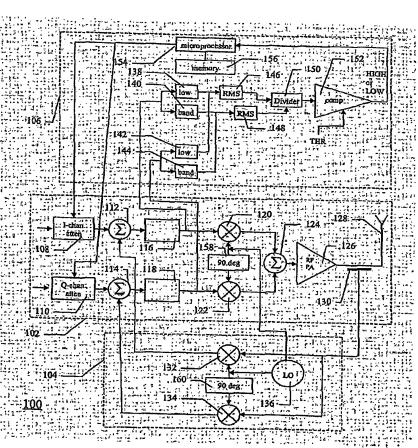
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- (71) Applicant (for all designated States except US): MO-TOROLA INC [US/US]; 1303 E.Algonquin Road, Schaumburg, Illinois 60196 (US).
- (71) Applicant (for BW only): MOTOROLA LIMITED [GB/GB]; Jays Close, Viables Industrial Estate, Basingstoke Hampshire RG22 4PD (GB).

- (72) Inventors; and
- (75) Inventors/Applicants (for US only): BEN-AYUN, Moshe [IL/IL]; Motorola Israel Limited, 3 Kremenetski Street, 67899 Tel Aviv (IL). BEN-SALMON, Avi [IL/IL]; Motorola Israel Limited, 3 Kremenetski Street, 67899 Tel Aviv (IL). ROZENTAL, Mark [IL/IL]; Motorola Israel Limited, 3 Kremenetski Street, 67899 Tel Aviv (IL).
- (74) Agent: MCCORMACK, Derek, J.; Motorola European Intellectual Property Operations, Midpoint, Alencon Link, Basingstoke Hampshire RG21 7PL (GB).
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(54) Title: CARTESIAN LOOP TRANSMITTER AND METHOD OF ADJUSTING AN OUTPUT LEVEL OF SUCH TRANS-MITTER



(57) Abstract: In accordance with the present invention there is those provided a Cartesian loop transmitter (100) having an isolator eliminator circuitry (106) comprising a set of low pass (138, 142) and band pass (140, 144) filters for each of an I- and Q-channels, root mean square detectors (146, 148) and a divider (150) connected to a comparator (152) are received by a microporcessor (154) which controls attenuation setting. There is also provided a method of adjusting an output level of such transmitter (100). Said method comprises the step of measuring an on-channel signal level (206) and a noise level (208) and then calculating a ratio of said noise to said on-channel signal (214). If the ratio exceeds a defined threshold (216) an attenuation of the input attenuators is increased (218).

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